

What is claimed is:

1. A pipe fitter clamp fixedly installed between a female bracket and a male bracket which are coupled each other to allow forward insertion of a pipe and prevent backward escape of the pipe and pressing and fixing the inserted pipe, the pipe fitter clamp comprising:

a ring shape body having an inner diametric portion contacting the pipe and at least one allowance slit formed in an outer diametric direction from the inner diametric portion to enable diametric extension of the inner diametric portion; and

at least one allowance slit extension portion protruding from the body to have an extended allowance slit in which the length of the allowance slit is extended over an outer diameter of the body, extended and connected to have a shape of encompassing an outside of the extended allowance slit, and bent by a predetermined angle with respect to the body so as to be elastically deformed.

2. The pipe fitter clamp as claimed in claim 1, wherein a circumferential surface of the body has an inclined surface inclined at a predetermined angle to resist backward escape of the inserted pipe, the allowance slit is radially formed at an identical angle and identical distance with respect to the body, the allowance slit extension portion has an extended allowance slit connected to the allowance slit of the body, bent by a predetermined angle with respect to the body, and has a round hole formed an end portion of the extended allowance slit to prevent concentration of stress and improve deformability, and the body and the allowance slit extension portion are manufactured of a stainless steel spring plate which is thermally treated so as to be elastically deformed with each other.

3. The pipe fitter clamp as claimed in claim 1, further comprising an auxiliary extension portion having the same outer side as that of the allowance slit extension portion, bent by the same angle as that of the allowance slit extension portion so as to be elastically deformable, and having no allowance slit.

4. The pipe fitter clamp as claimed in claim 3, wherein the allowance slit extension portion and the auxiliary extension portion further comprise an elastic bending portion bent at an end portion contacting an inner diametric step of the male

bracket and/or a connection bending portion formed at a rear end portion connected to the body, and the body further comprises a blade bending portion bent on an inner diametric surface contacting the pipe.

5 5. The pipe fitter clamp as claimed in claim 1, wherein the body and the allowance slit extension portion are formed by punching an inner diametric portion of the body in a stainless steel spring plate, forming an allowance slit by radially cutting the inner diametric portion at an identical angle, lifting off an outer portion of the body and the allowance slit extension portion except for an connection portion, bending
10 the allowance slit extension portion with respect to the body fixed to the steel plate by the connection portion, and cutting the connection portion to lift off the body and the allowance slit extension portion.

15 6. The pipe fitter clamp as claimed in claim 3, wherein an oval inner diametric hole having a narrower diameter d and a wider diameter D is formed in the body so that the pipe is forcedly caught due to the deformation of the body, two allowance slits are formed in the wider diameter D portion, the allowance slit extension portion is vertically bent in the wide diameter D portion to encompass the allowance slit to work as a center of rotation, and the auxiliary extension portion has
20 an elastic bending portion which is formed at a narrower diameter d portion by bending an end portion of the auxiliary extension portion so as to provide a restoration force in a direction in which the pipe is forcedly caught by contacting the inner diametric step of the male bracket.